SELVA Meeting 07/08/2014

Attendees: Jerzy Nogiec, Roger Nehring, Kelley Trombly-Freytag, Sergey Kotelnikov, Fred Nobrega, Fred Lewis, Lidija Kokoska

- ## Project Status

  - **The highest priority: investigate and correct the cause of driver damage. Awaiting Andrzej's return.**
  - Two-shift operation suspended until the machine is again operational.
  - We have the first drafts of documents: Permissives, Starting Sequence, and Interlocks.
  - In the future, we will try to have afternoon meetings start at 1:30pm.
  - Roger, Jerzy and Sergey will discuss FPGA re-engineering implementation after the Requirements meeting today, 7/8.
  - We will make preparations for using the Booster corrector power supply to test our driver in a full range of voltages. Our motor test setup will be moved to IB1 where the power supply is currently. Andrzej will perform the test, if he decides to do so.

- ## Meeting Topics

  1. Action items from the previous week
  2. Alternative tasks and assignments for the week
  3. Safety, ideas, comments, etc. (all)

- ## Safety

  - Everybody make sure to sign the modified HA in IB3.

- ## Problems

  - Driver problem: unfortunately Andrzej will not be back to work until Thursday, 7/10.

- ## Action Items

  Jim Rife, Rick Smith, etc.

	Lower the Bridge to the tracks/rails.	To be done after motors are running correctly and other testing.	Suspended 6/10/2014

  Fred Nobrega

	Check out possible problems with gear box	7/8: Talked to Luciano who said he will look at in the next week	6/10/14

  Fred Lewis

🟨	Repair the existing damaged encoder	Parts are in. Will be fixed soon	5/20/2014
🟥	Install safety system improvements if panel is complete	Installation will wait until Andrzej comes back	5/27/2014
🟨	Ensure we have replacement encoders for future use	Will try to order an universal encoder Still in process 6/24, waiting on Andrzej.	5/27/2014
🟨	Review the requisition for a new driver – get the newest version they have	Will do it before Andrzej gets back	7/1/2014

Lidija

🟥	Implement mechanical setup for tension testing	-Talked to Fred 7/7 re: connecting the motors, a technician made a pulley attachment to the motor. -Should be complete by Monday/Tues next week -She will update Cosmore on this status	5/6/2014
🟥	Install temporary wooden "strongback" for mandrel sync tests	on hold 7/8 We have the wooden strongback -waiting on go ahead from Sergey	Suspended 6/10/14

Andrzej

🟥	Driver overheating problem	Investigate and correct the cause of driver damage	7/1/2014
🟨	Add comments to the FPGA I/O test program	Describe all I/O channels	7/1/2014

Jerzy

🟨	Functional requirements clarification	Organize the meeting and lead discussion on functional requirements	7/8/2014

Roger

🟥	Execute and document tension control test plan	Documentation is complete, execution suspended on mechanical work; In progress	4/22/2014
🟥	Test programmatic motion control of the tension motor.	Suspended re: driver resolution 7/8	6/3/2014

Sergey

🟨	Create note on naming conventions on I/O channels	Postponed	4/29/2014

🟥	Add the reel and tension motor control to the motor test and PID tuning program.	Postponed	6/3/2014
🟥	Work on synchronizing the mandrel and bridge motors	In progress, working on software	6/10/14
🟥	Meeting w/Roger, Jerzy looking at reengineering of FPGA code	Meeting scheduled for afternoon 7/8	7/1/2014

Dana

🟨	After wiring has been okayed and trenches are covered, then inspect the area for small objects and have them removed		Suspended – waiting for wiring OK
🟥	Investigate and create proposal for additional or replacement collision sensors and order the sensors.	5/6: investigation of tubing started 6/10: investigate ordering bumpers From Tapeswitch 7/1: Bumper order in system, single bumper in each position	5/27/2014
🟨	Document: Machine Start checklist	Needs input from Andrzej	6/10/14
🟨	Document: Interlock list	In progress 6/24, 7/1	6/10/14
🟨	Document: Permissives	In progress 6/24, 7/1	6/10/14
🟥	Mandrel test plan	Test plan created. Out for feedback 6/17,6/24, 7/1 (get from Sergey)	6/10/14
🟨	Document: Note on bridge light color	Document created. Out for feedback 6/17, 6/24, 7/1 (send to Jim Rife and Fred Lewis for feedback)	6/10/14
🟨	Meeting with Roger, Sergey, Jerzy on the 3 docs above to get input	Will be done Tues, 7/1	7/1/2014
🟥	Send reminder email for everyone to read the updated Hazard Analysis	Ensure send to everyone who has signed it already	7/1/2014

Kelley

🟨	Get a spreadsheet of the results of testing I/O signals.	Put in SELVA wiki All I/O signals not yet defined - doc not complete	Suspended 5/20/2014

• Completed Action Items

🟨	Fred	List of what Bill found on the damaged driver components	Finished	7/8/2014
🟨	Jerzy	Set up meeting to discuss the requirements document	Meeting set for 7/8 2pm.	7/8/2014
🟨	Roger	Review Dana's translation of	Complete	7/8/2014

		Reel Up/Down Test Plan into Test Plan template		
	Roger	Load cells calibration note	Complete.	7/8/2014